

# Release B CDR RID Report

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## Section

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## Figure Table

Category Name ECS System-Level

Actionee ECS

Sub Category

Related RIDs

Subcategory ID

Subject End to end design of coincident data search

### Description of Problem or Suggestion:

The coincident data search architecture is not detailed enough to evaluate the algorithm. In particular, the formation of secondary queries by the DIM based on primary results is potentially too inefficient for the most typical scenarios to be practical. Such scenarios typically ask for granules over vast spatial extents (i.e., global) and temporal extents (multiple years), where the coincidence criteria nonetheless result in reasonably small sets. A classic example is: "Give me all the CZCS scenes with coincident Buoy or Ship Sea Surface Temperature." The primary (more limited) result set can still be several thousand granules randomly distributed in time and space. What does the secondary query look like?

### Originator's Recommendation

At the incremental formal track review, show the end-to-end design (i.e., data server, LIM & DIM) of coincident data search, including example queries, for the following type of scenario: "Give me all the CZCS scenes with coincident buoy or ship sea surface temperature, "where there are a few thousand buoy and ship SST granules and 25,000 CZCS granules or a similar CDWG scenario.

GSFC Response by:

GSFC Response Date

HAIS Response by:

HAIS Schedule

HAIS R. E. Case

HAIS Response Date

Status Open

Date Closed

Sponsor Kobler/McDonald

\*\*\*\*\* Attachment if any \*\*\*\*\*